Title (en)

NOVEL AMINO-TERMINAL DEBLOCKING ENZYME

Title (de)

NEUES ENZYM ZUR DEBLOCKIERUNG DES AMINOTERMINALEN ENDES

Title (fr)

NOUVELLE ENZYME DE DEBLOCAGE DES TERMINAISONS AMINO

Publication

EP 0911411 A4 20040506 (EN)

Application

EP 97927398 A 19970619

Priority

- JP 9702121 W 19970619
- JP 18405096 A 19960624

Abstract (en)

[origin: EP0911411A1] To provide an amino terminal protecting group-releasing enzyme characterized in that the enzyme possesses an activity for releasing a protecting group by acting on a peptide of which amino terminal is blocked by the protecting group, and exhibits the activity for two or more protecting groups, or a functional equivalent thereof; a DNA encoding the same; a method for producing the enzyme; a method for removing amino terminal protecting group including the step of subjecting to a reaction with the enzyme to release amino terminal protecting group; and a method for analyzing an amino acid sequence. The above enzyme is useful in the analysis of an amino acid sequence of peptides, particularly proteins and peptides, of which amino terminal is blocked by unknown protecting groups.

IPC 1-7

C12N 15/57; C12N 9/48; C12N 15/63; C12N 1/21; G01N 33/68; C07K 16/40; C12P 21/08; C12Q 1/68

IPC 8 full level

C07K 16/40 (2006.01); **C12N 1/21** (2006.01); **C12N 9/48** (2006.01); **C12N 15/57** (2006.01); **C12P 21/08** (2006.01); **C12Q 1/68** (2006.01)

CPC (source: EP US)

C12N 9/48 (2013.01 - EP US)

Citation (search report)

- [DA] JP H06319566 A 19941122 - TAKARA SHUZO CO
- [A] HIRANO H ET AL: "DEBLOCKING AND SUBSEQUENT MICROSEQUENCE ANALYSIS OF NALPHA-BLOCKED PROTEINS ELECTROBLOTTED ONTO PVDF MEMBRANE", JOURNAL OF BIOCHEMISTRY, JAPANESE BIOCHEMICAL SOCIETY, TOKYO, JP, vol. 111, no. 6, 1992, pages 754 - 757, XP001033721, ISSN: 0021-924X
- See references of WO 9749819A1

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US6821745B2; WO0222631A3

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0911411 A1 19990428; **EP 0911411 A4 20040506**; AU 3190797 A 19980114; JP 3493400 B2 20040203; US 6194190 B1 20010227; WO 9749819 A1 19971231

DOCDB simple family (application)

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